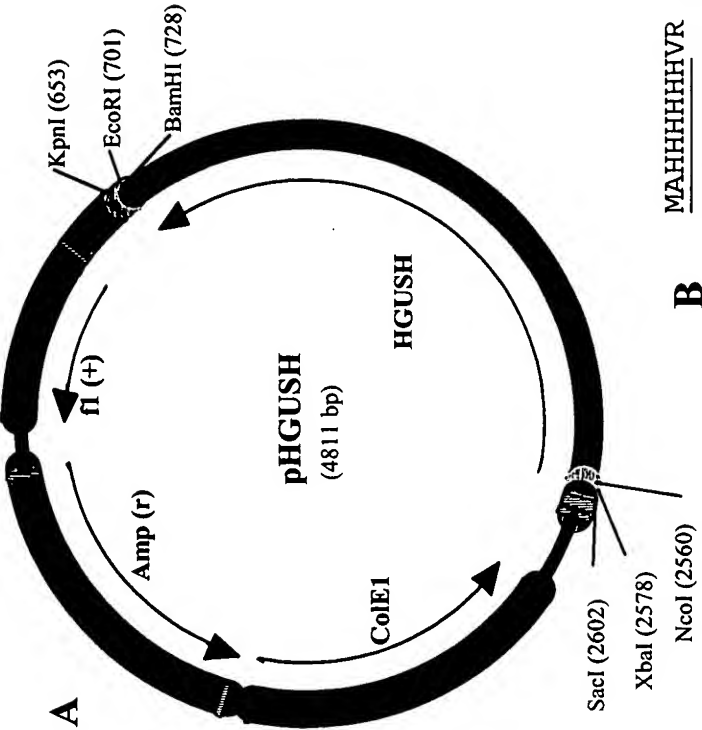


Figure 1



MAHHHHHVR	PVETPTREIK	KLDGLWAFSL	DRENCIDQR	WWESALQESR	50
AIAVPGSFND	QFADADIRNY	AGNVWYQREV	FIPKGWAGQR	IVLRFDAVTH	100
YGKVVWVNNQE	VMEHQGGYTP	FEADVTPYVI	AGKSVRITVC	VNNEINWQTI	150
PPGMVITDEN	GKKKQSYFHD	FFNYAGIHR	VMLYTTPTNTW	VDDITVVTHV	200
AQDCNHASVD	WQVVANGDVS	VELRDADQQV	VATGQGTSGT	LQVVNPHLWQ	250
PGEGLYELC	VTAKSQTECD	IYPLRVGIRS	VAVKGEQFLI	NHKPFYFTGF	300
GRHEDADLRG	KGFDNVLMVH	DHALMDWIGA	NSYRTSHYPY	AEEMLDWADE	350
HGIVVIDETA	AVGFNLSLGI	GFEAGNKPKE	LYSEEAVNGE	TQQAHLQAIAK	400
ELIARDKNHP	SVVMWSIANE	PDTRPQGARE	YFAPLAEATR	KLDPTRPITC	450
VNVMFCD AHT	DTISDLFDVL	CLNRYYGWYV	QSGDLETAEK	VLEKELLAWQ	500
EKLHQPIIIT	EYGVDTLAGL	HSMYTDWSE	EYQCAWLDMY	HRVFDRVSAV	550
VGEQVWNFAD	FATSQGILRV	GGNKKGIFTR	DRKPKSAAFL	LQKRWTGMNF	600
GEKPQQGKQ	GSHHHHHH*				618

(SEQ ID NO: 28)

Figure 2

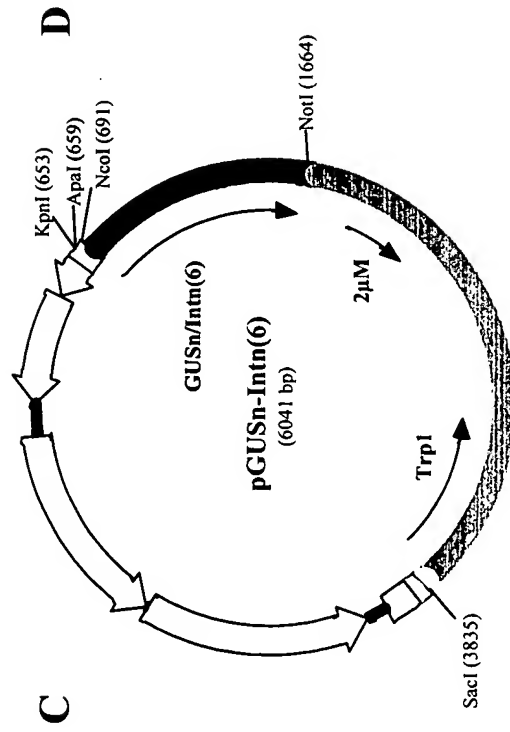
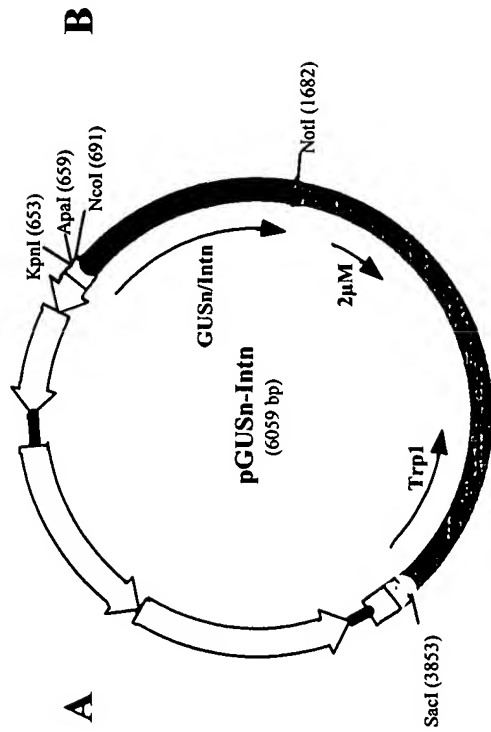
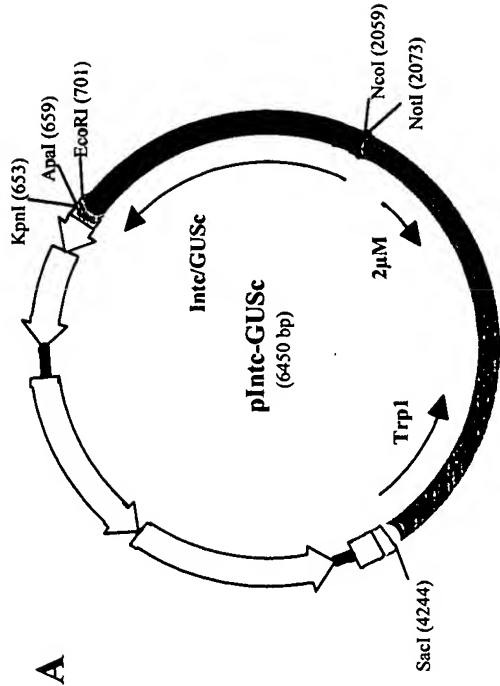


Figure 3



**B**

MVKVIGRRSL	GVQRIFDIGL	PQDHNFLLAN	GAIAANCNHA	SVDWQVVANG	50
DVSVELRDAD	QQVATGQGT	SGTLQVVNPH	LWQPGEGYLY	ELCVTAKSQT	100
ECDIYPLRVG	IRSVAVKGEQ	FLINHKKPFYF	TGFGRHEDAD	LRGKGFDNVL	150
MVHDHALMDW	IGANSYRTSH	YPYAEEMLDW	ADEHGIVVID	ETAAVGFNLS	200
LGIGFEAGNK	PKELYSEEA	NGETQQAHLQ	AIKELIARDK	NHPSVVMWSI	250
ANEPDTRPQG	AREYFAPLAE	ATRKLDPTRP	ITCVNVVMFCD	AHTDTISDLF	300
DVLCNLNRYYG	WYVQSGDLET	AEKVLEKELL	WQEKLHQPII	ITEYGVDTLA	350
GLHSMYTDMW	SEELYQCAWLD	MYHRVFDRVS	AVVGEQVMNF	ADFATSQGIL	400
RVGGNKKGIF	TRDRKPKSAA	FLLQKRWTGM	NFGEKPQQGG	KQGSHHHHH	450

\*

(SEQ ID NO: 40)

Figure 4

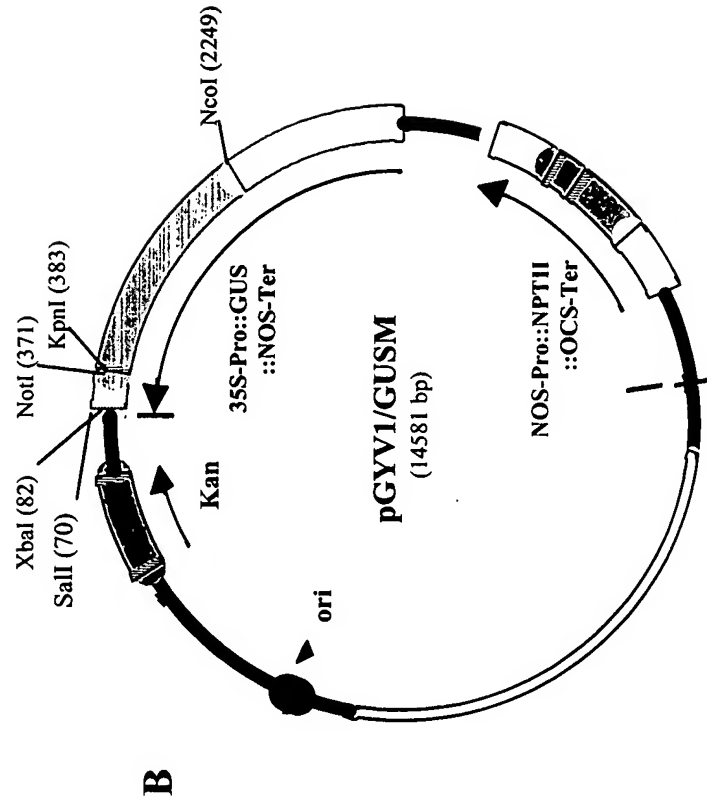
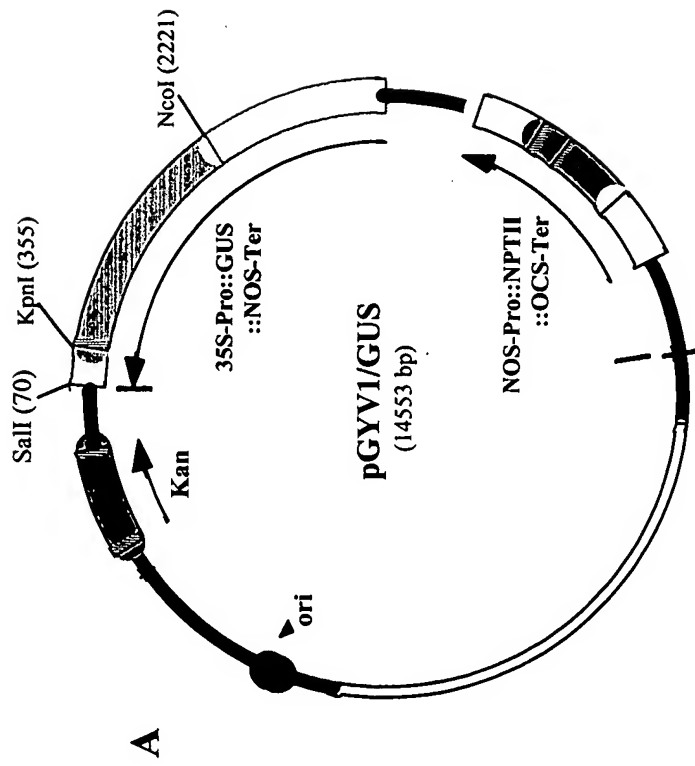


Figure 5

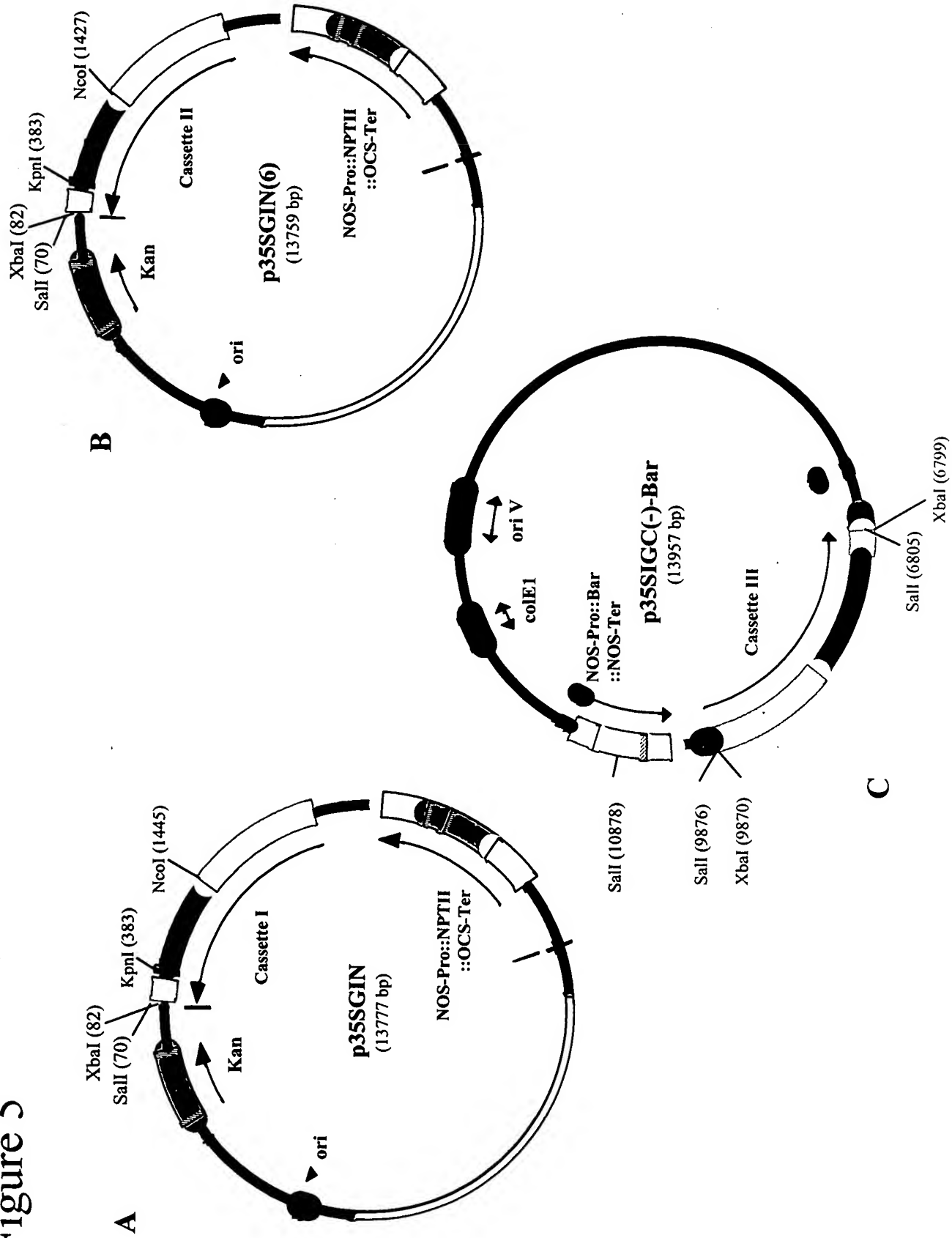


Figure 6

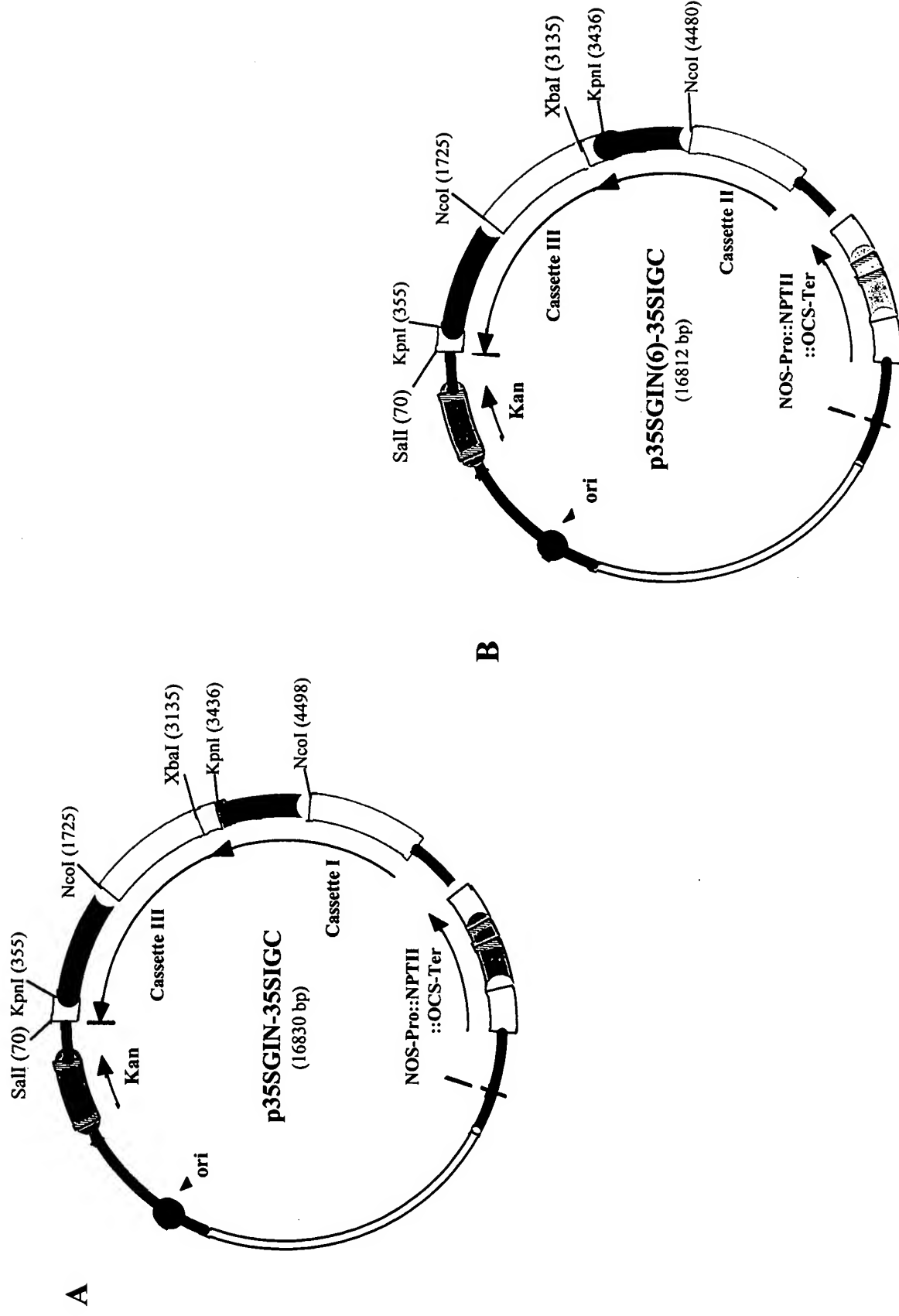


Figure 7

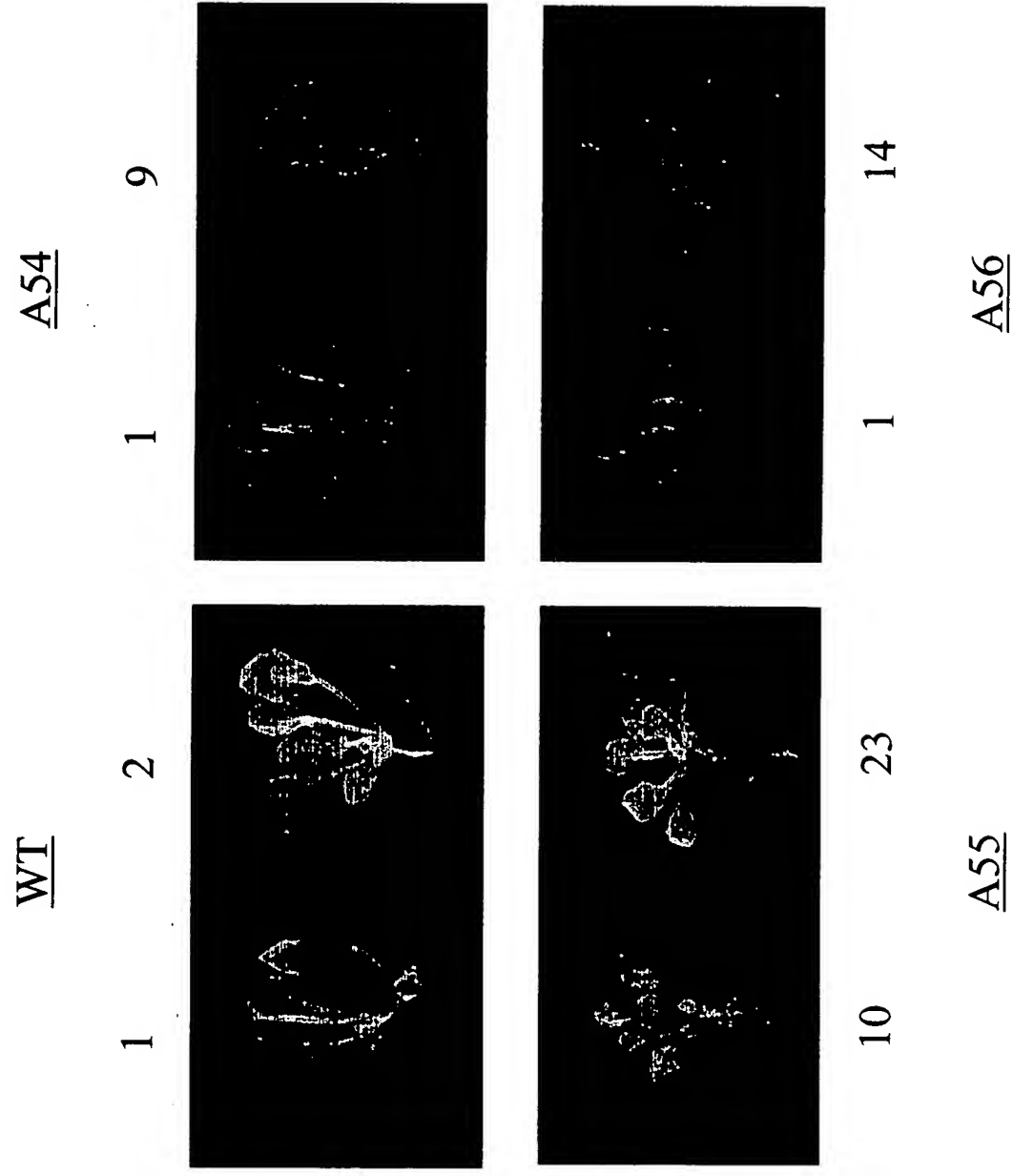


Figure 8

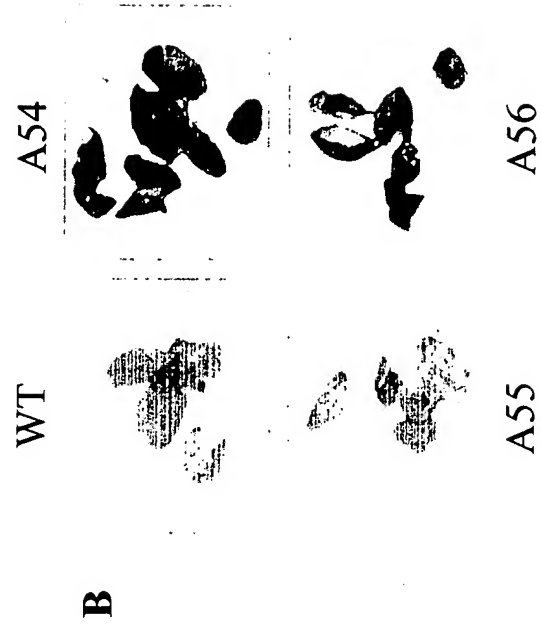
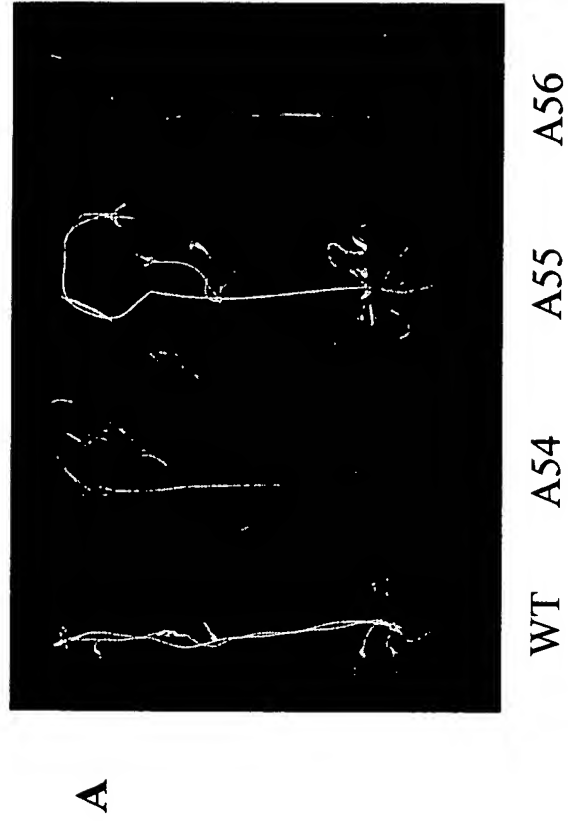




Figure 9

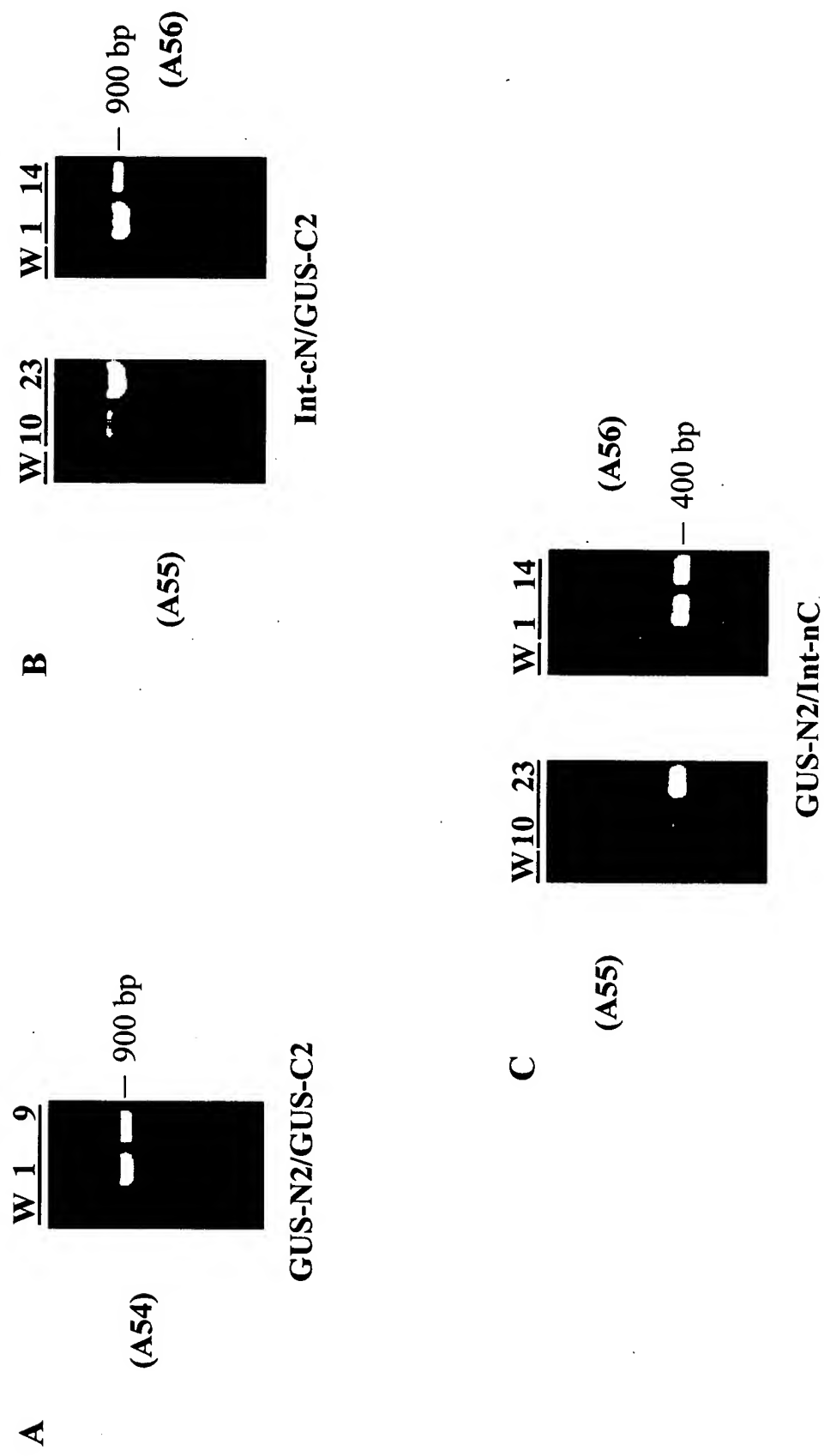


Figure 10

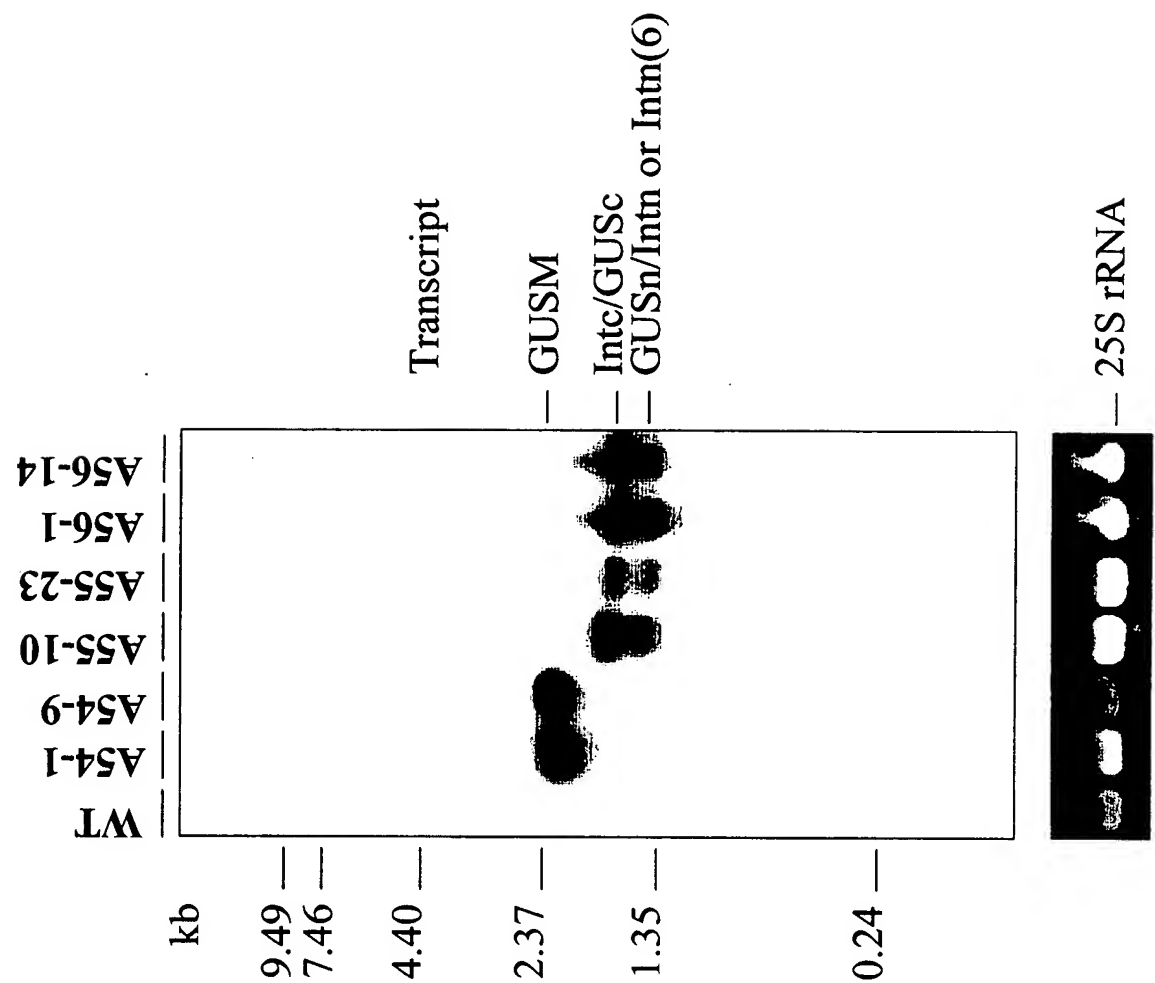


Figure 11

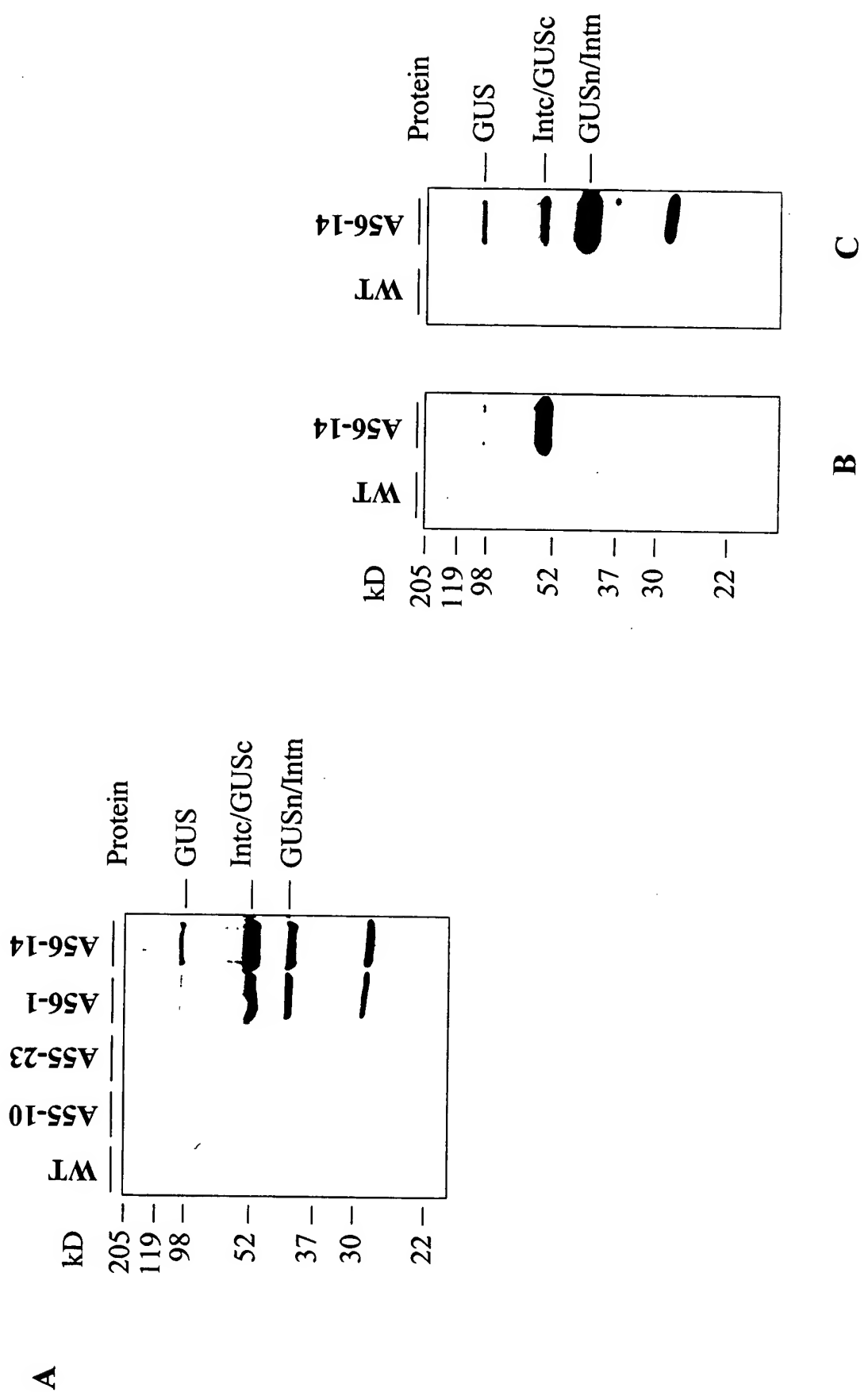


Figure 12

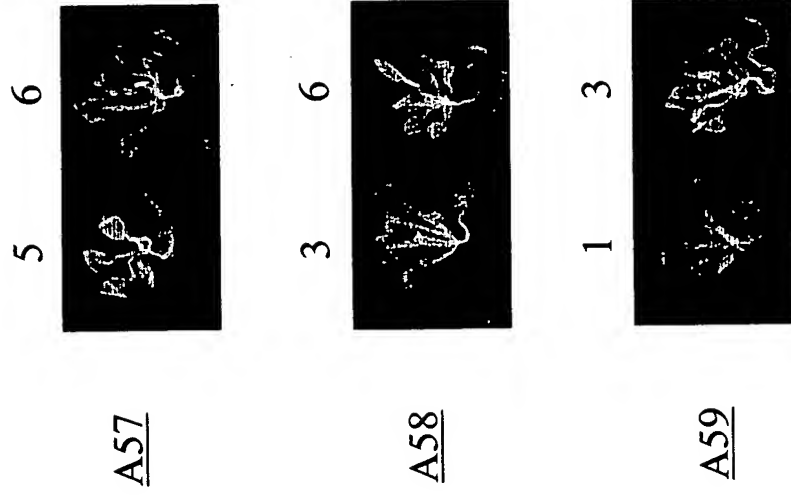


Figure 13

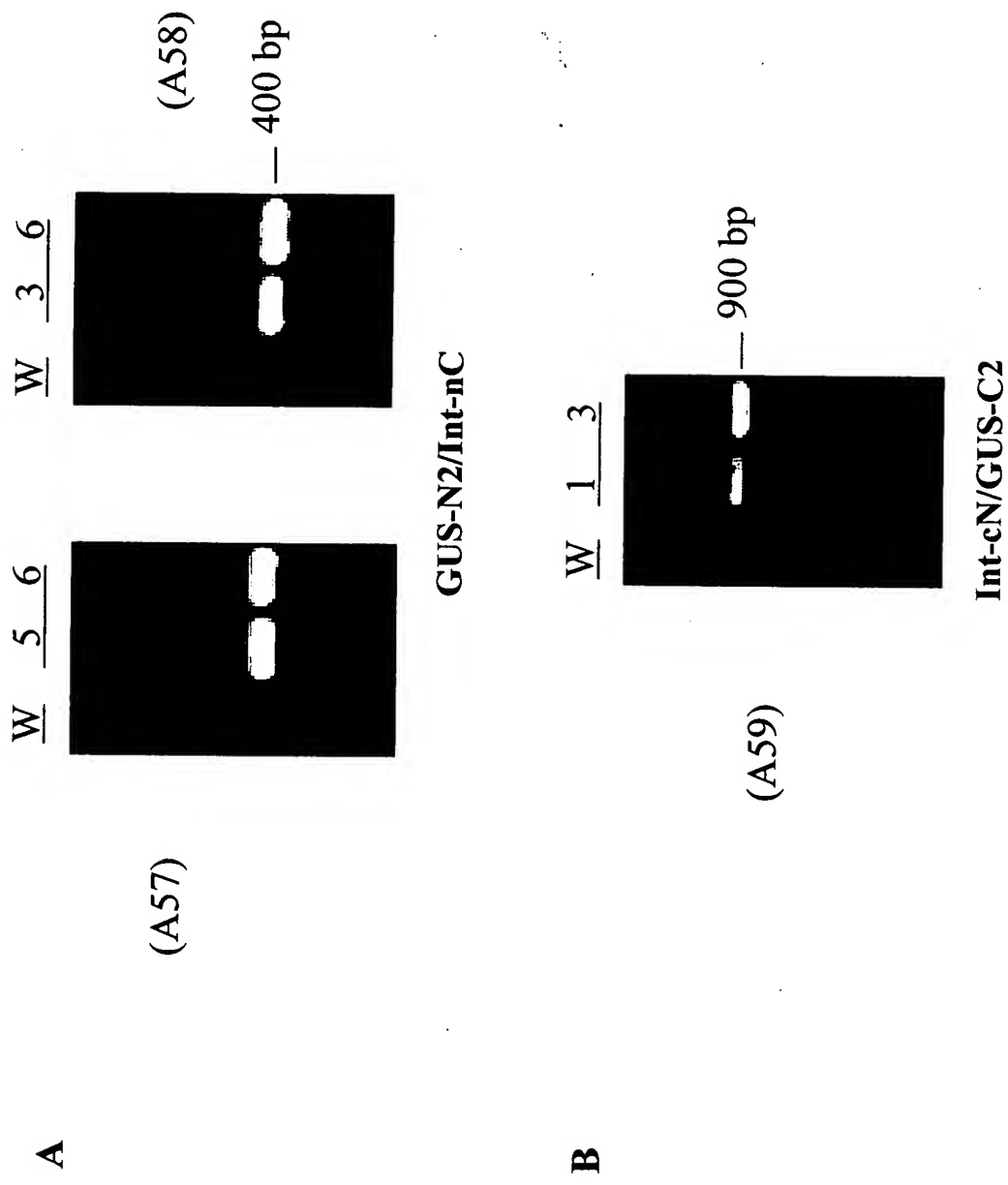


Figure 14

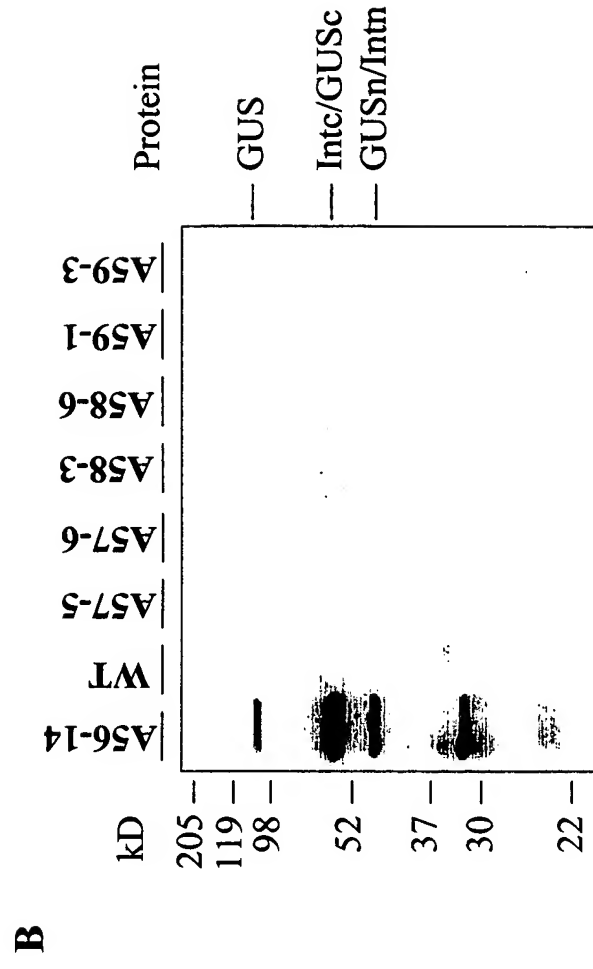
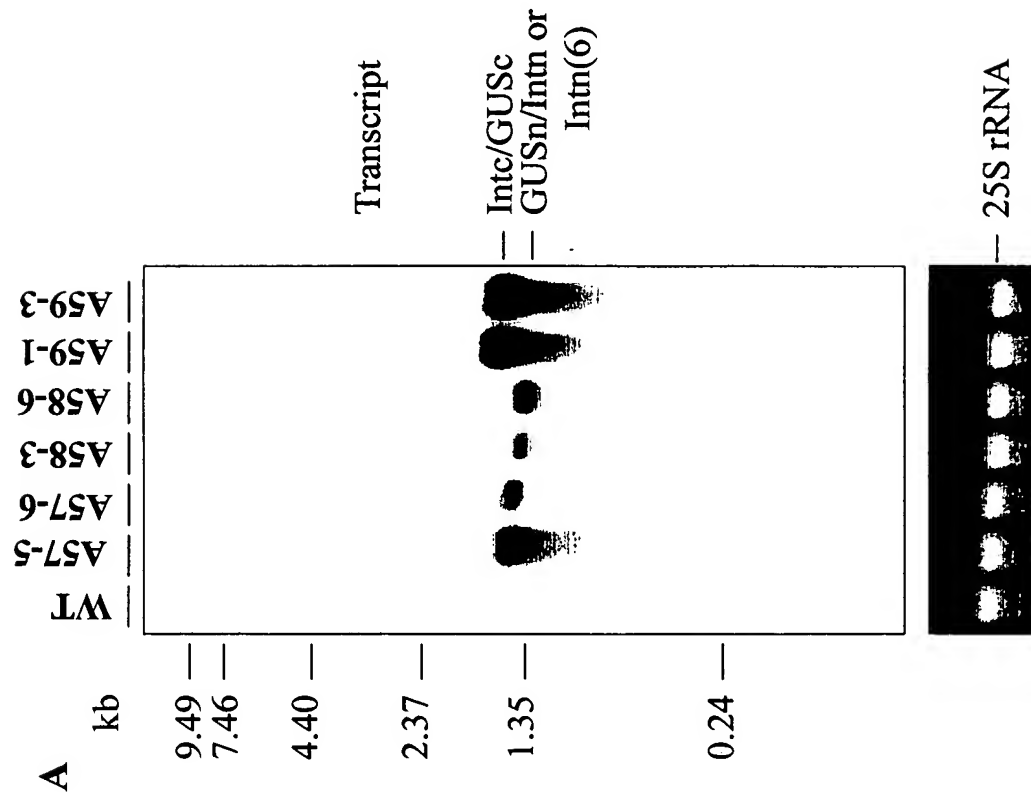


Figure 15

A57xA59

19

22



A58xA59

6

8

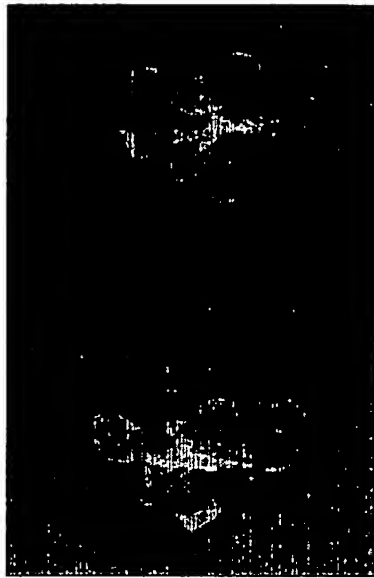


Figure 16

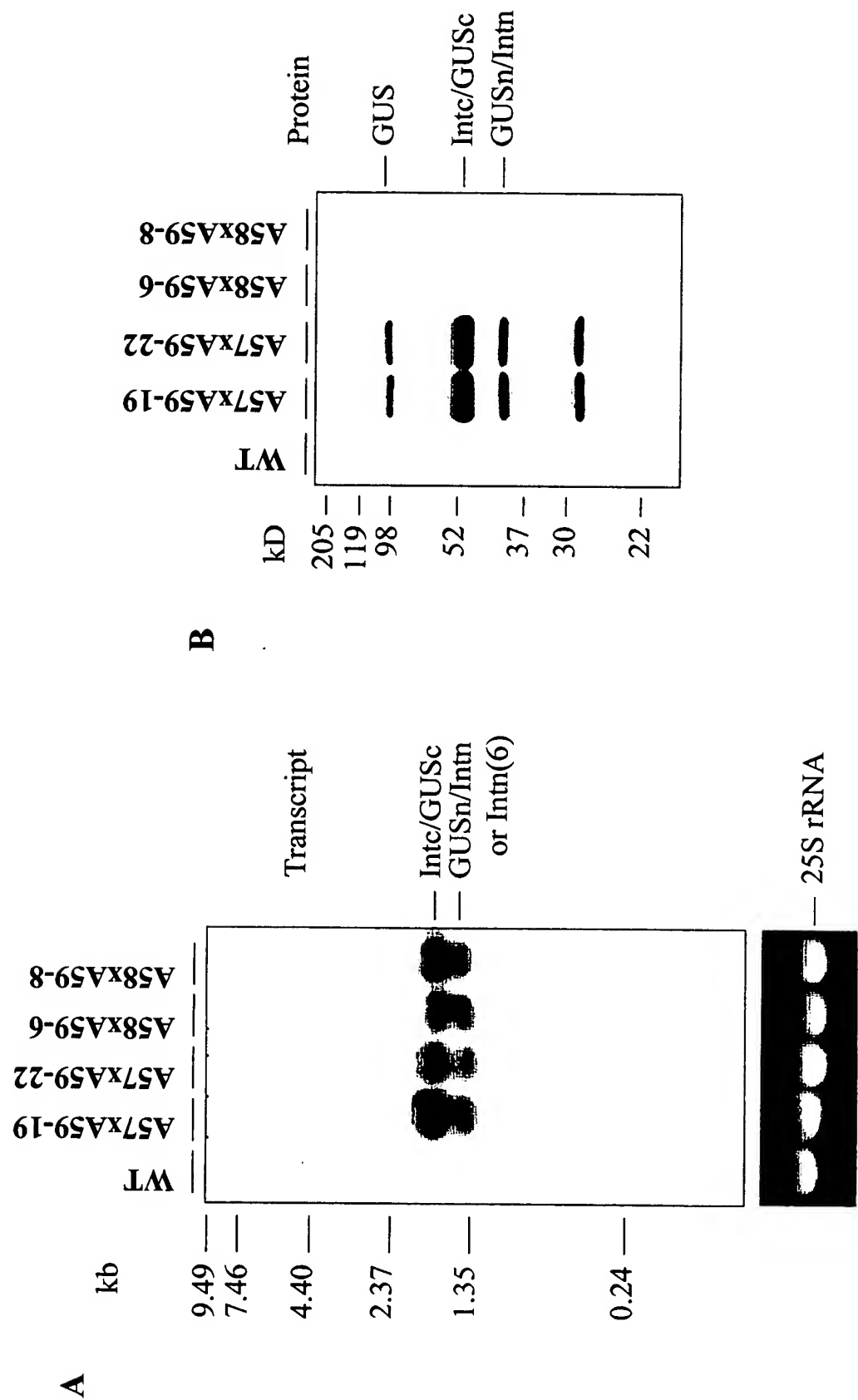




Figure 17

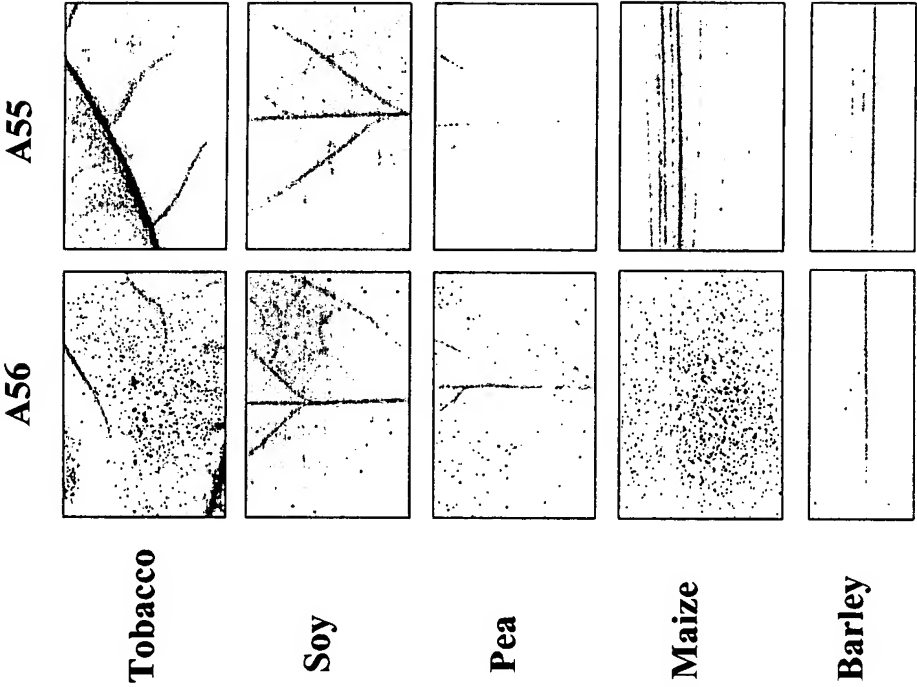


Figure 18

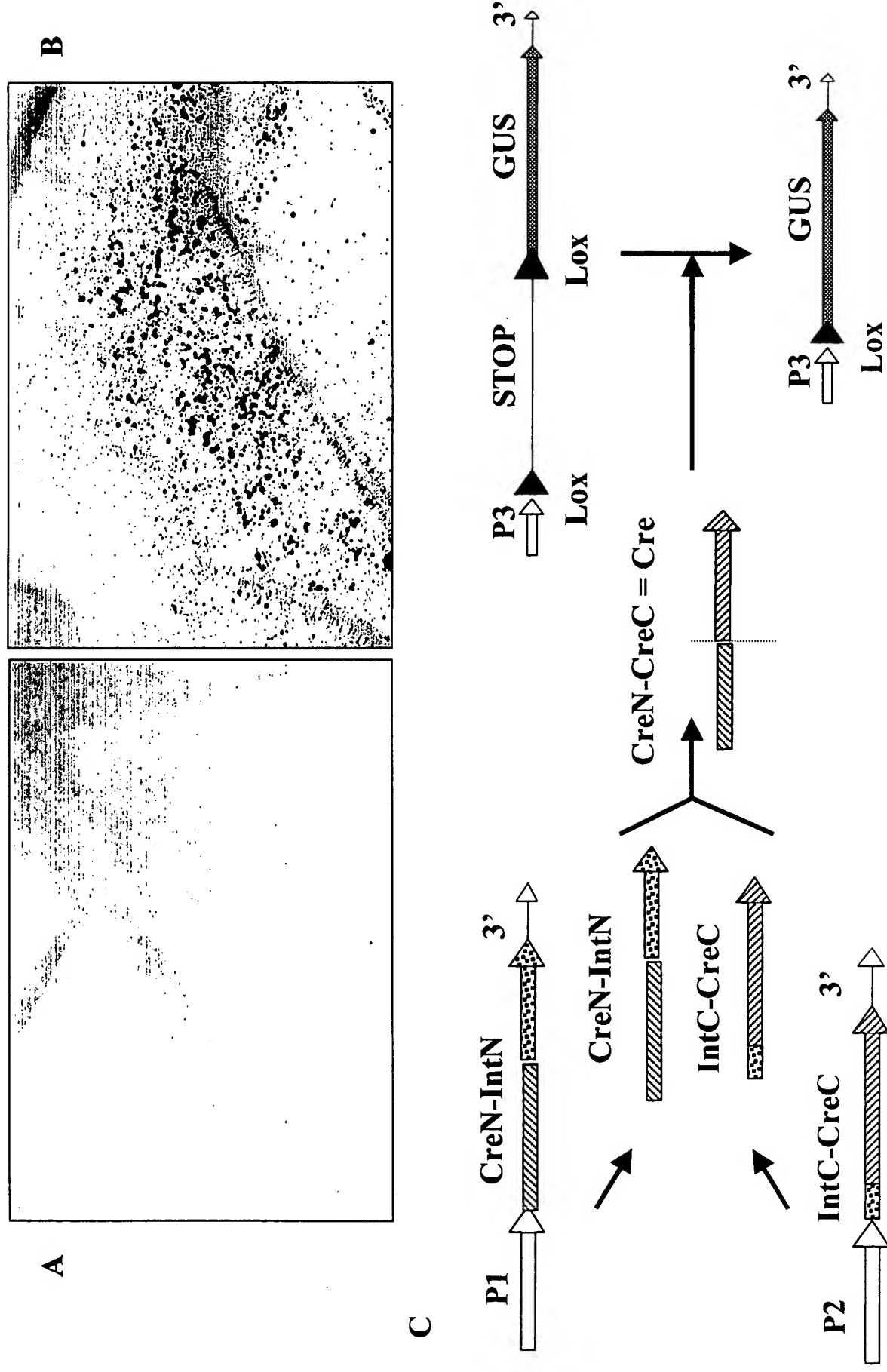
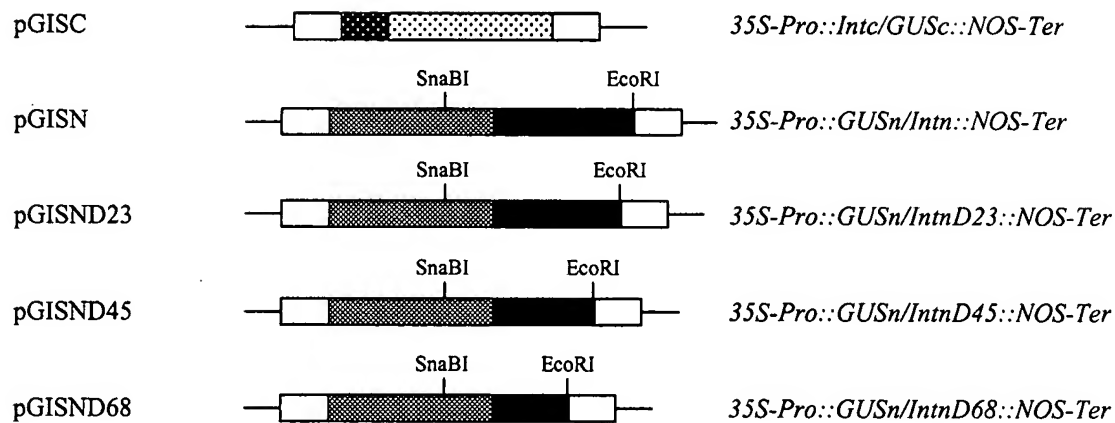


Figure 19

A

PLASMID

TRANSGENE STRUCTURE



B

Motif A

CLSGTEILTFVEYGPLPIGKIVSEEINCSVY

SVDPEGRVYTQAIHQWDRGEQEVLEYELED

▲ D68

Motif B

GSVIRATSDHRFLTTDYQLLAIEEIFARQLD

▲ D45

LLTLENIKQTEEALDNHRLPFPLLDAGTIK\*

▲ D23